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some of our earlier volumes are either entirely or partly out of print, but it is hoped the finances of the Academy may permit republication in the near future.

During the year sixteen Correspondents have been elected and notification promptly sent. Responses have been received from fifteen, in several cases accompanied by gifts to the library or museum.

The additions to the museum during the year have been of great value as will be learned from the Curators' report. To the Curator-in-charge I must express my thanks for acknowledging in my behalf, the donations as received.

Among the miscellaneous correspondence we have received notification of the death of eminent students many of whom were numbered among our membership.

A number of letters of slight interest have been referred to the members of the Bureau of Scientific Information or answered directly.

Respectfully submitted,

GEORGE H. HORN, M. D.,

Corresponding Secretary.

REPORT OF THE LIBRARIAN.

The additions made to the library during the year ending November 30, 1887 amount to 3380. They consist of 447 volumes, 2908 pamphlets, part of periodicals and of works issued in numbers and 25 maps, sheets etc.

A complete catalogue of these additions is appended. They have been received from the following sources:—

Societies, ...	1283	Smithsonian Institution, ...	3
Editors, ...	836	Geological Survey of Russia, . .	3
I. V. Williamson Fund, . . , .	673	Hon. Chas. M. Betts, ...	3
Authors, ...	231	Dr. W. S. W. Ruschenberger, . .	2
Brazilian Government, ...	83	Angelo Heilprin, ...	2
Mr. John H. Redfield, ...	37	U. S. War Department, ...	2
Wilson Fund, ...	35	Geological Survey of Portugal, .	2
U. S. Department of the Interior,	27	Mexican Government, ...	2
Executors of Dr. George Martin,	19	Publishers, ...	2
In Exchange, ...	14	Pennsylvania State Board of	
U. S. Department of State, . .	12	Health, ...	1
By Subscription, ...	10	R. Schomburgk, ...	1
H. B. M. Government, ...	10	Yale College, ...	1

Geological Survey of Canada, ...	9	Fish and Game Commissioners, ...	
Thomas Meehan, ...	8	Mass, ...	1
Geological Survey of Kentucky, ...	8	G. W. Carpenter & Co.	1
Geological Survey of New Jersey, ...	7	B. H. Warren, ...	1
Geological Survey of India, ...	7	Messrs Tiffany & Co.	1
U. S. Treasury Department, ...	7	Department of Mines, Nova Scotia, ...	1
Norwegian Government, ...	7	W. E. D. Scott, ...	1
United States Department of Agriculture, ...	6	Chas. E. Smith, ...	1
Geological Survey of New Zealand, ...	4	E. V. d'Inwilliers, ...	1
British Museum, ...	4	Isaac Burk, ...	1
U. S. Fish Commission, ...	4	Robert Nebinger, ...	1
Minister of Public Works France, ...	4	Mrs. Joseph E. Mitchell, ...	1

They were distributed to the several departments of the library as follows:—

Journals, ...	2506	Agriculture, ...	9
Botany, ...	254	Medicine, ...	8
Geology, ...	189	Mammalogy, ...	8
General Natural History, ...	101	Helminthology, ...	7
Conchology, ...	55	Public Documents, ...	7
Entomology, ...	46	Ichthyology, ...	6
Anatomy and Physiology, ...	31	Chemistry, ...	6
Voyages & Travels, ...	24	Ornithology, ...	4
Anthropology, ...	19	Geography, ...	4
Bibliography, ...	15	Herpetology, ...	1
Encyclopedias, ...	14	Microscopy, ...	1
Physical Science, ...	13	Miscellaneous, (unclassified), ...	23
Mineralogy, ...	13		

The Academy is to be congratulated upon at last securing an almost complete set of De Martius' *Flora Brasiliensis* from the government of Brasil. Our thanks are due Prof. Orville A. Derby for efficiently endorsing our repeated applications to the Ministry of Agriculture, Commerce and Public Works for this most important addition to the botanical library. From the parts received we have been enabled to bind eighteen volumes and efforts are being made to obtain the numbers required to complete the set to date. Among the other distinctively important works added during the year mention may be made of a complete set of Pflüger's *Archiv*, in forty volumes, and a beautiful colored copy of Sibthorpe's *Flora Graeca*, ten volumes folio. The latter has been obtained partly through the I. V. Williamson Fund and partly by subscriptions from Messrs Thomas Meehan, Chas Schäffer, John H. Redfield, W. S. W. Ruschenberger, Isaac C. Martindale, Aubrey H. Smith, Geo. H. Horn, Wm. C. Henszey, Wm. W. Jefferis, Jacob Binder and Geo. A. Binder.

Special acknowledgments are also due to Mr. John H. Redfield for thirty-seven volumes of botanical works not before possessed by the Academy and treating for the most part of ferns; to the executors of Dr. Geo. Martin for nine volumes on cryptogamic botany and to Her Britannic Majesty's Government for the continuation of the invaluable reports of the Challenger Expedition, thirty-two volumes of which have been received.

The accompanying list of accessions indicates our continued indebtedness to the Isaiah V. Williamson Fund, which, after our exchanges, continues to be the most important source of the library's growth.

I am happy to be able to report that the crowded condition of the cases devoted to the journals has been in a measure relieved by the erection of about one thousand feet of additional shelving. Advantage has been taken of the increased accommodation to again revise the catalogue of periodicals. The work progresses very slowly in consequence of the absence of assistance and the limited time that can be given to other than current work. It is intended, however, as the revision progresses, to again apply to corresponding societies for such deficiencies as may still exist, repeated applications being sometimes necessary before a satisfactory return can be obtained. Although the applications sent out during the last two or three years have been productive of encouraging results, many societies have not been heard from either negatively or affirmatively, and these will receive special attention.

I have been again indebted to friends of the Academy for the means of securing the services of Signore E. Fronani during the summer months. His entire time has been devoted to the work of transcribing my original card entries, and the new catalogue has progressed so far as to be in fit condition for use. The case for its reception was designed and its construction supervised by Mr. Jacob Binder, to whom the Academy is also indebted for the satisfactory completion of the additional library cases. The few cards remaining to be copied (next year, it is hoped) have been placed temporarily with the others and, as now arranged, the catalogue supercedes entirely the hand-lists of the special departments of the library formerly in use, one defect of which, among many, was that the alphabetical arrangement could not be maintained for any length of time. In as much as it is easier to glance down a printed or written list than to turn over a number of cards it may be that there are

certain inconveniences in the use of a card catalogue by specialists who, for the most part, desire to consult only the books belonging to their own department, but the accuracy of the alphabetical arrangement and the certainty of finding the entry in its proper place with an indication of the position of the book in the library, more than counterbalance the disadvantages.

Two hundred and thirty-four volumes have been bound during the year. They were mostly special works received in numbers and some I. V. Williamson journals. Hundreds of volumes of periodicals yet remain to be bound. An effort is being made to lessen the inconvenience of consulting these by glueing the numbers of each volume firmly together, but this cannot be considered more than a temporary expedient and it is earnestly hoped that means may be soon provided for their permanent arrangement.

An interesting portrait in oil of Thomas Say, formerly one of the series belonging to Peale's Museum, has been received from Mrs. Joseph E. Mitchell.

All of which is respectfully submitted.

EDW. J. NOLAN.

Librarian.

REPORT OF THE CURATORS.

The Curators present the following statement of the Curator-in-Charge as their report for the year 1887 :—

The Curator-in-Charge respectfully reports that the collections of the Academy are, generally speaking, in good condition, and that there has been but insignificant loss to the Museum through either carelessness or unintentional neglect. The various departments of the institution have been more or less dependent for their development upon the volunteer labors of specialists in their several sections, and for the valuable assistance thus rendered the Curator-in-Charge desires to express his grateful acknowledgements. The thanks of the Academy are especially due to Mr. George W. Tryon, Jr., Conservator of the Conchological Section, to Mr. J. H. Redfield, Conservator of the Herbarium, and to Mr. Jacob Binder, Conservator of the collection of minerals bequeathed to the Academy by the late Mr. Wm. S. Vaux, who have severally devoted much time and labor to the interests of the collections under their charge. To the